

20030119.qrp v02\_n805.qrl.20030119

Date: Sun, 19 Jan 2003 19:03:04 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2805

QRP-L Digest 2805

Topics covered in this issue include:

- 1) [144883] K1-4 sold - thank you for the inquiries  
by <tlogan7@cox.net>
- 2) [144884] Hallicrafters S38 Info Needed....  
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
- 3) [144885] FS Kenwood MC-85 3 Channel Desk Mike  
by "Jess Gypin" <jessmx5@earthlink.net>
- 4) [144886] 30 KHz to 30 MHz ! At LAST ! Something that we can ALL use !  
by "Bill, N4QA" <n4qa@hotmail.com>
- 5) [144887] FoxHunt  
by "Oleg V. Borodin" <master72@lipetsk.ru>
- 6) [144888] The Side Kick'er, 40M Tx module  
by Steven Weber <kd1jv@moose.ncia.net>
- 7) [144889] VA Fall all Counties QRP  
by Larry Cahoon <lejek@erols.com>
- 8) [144890] Re: Hallicrafters S38 Info Needed.....  
by "Bill, N4QA" <n4qa@hotmail.com>
- 9) [144891] Re: APRS and ARRL contests  
by Alex <kr1st@amsat.org>
- 10) [144892] MFJ CWF-2 Schematic  
by Rick McKee <kc8aon@juno.com>
- 11) [144893] Re: APRS and ARRL contests  
by Brian Short <bshort4@cox.net>
- 12) [144894] Re: Hallicrafters S38 Info Needed....  
by Pete Burbank <plburbank@earthlink.net>
- 13) [144895] RE: Hallicrafters S38  
by Karl Kanalz <kkanalz@gcecispc.com>
- 14) [144896] Gorgeous 38 SPecial  
by "Lee Mairs" <lmairs@direcway.com>
- 15) [144897] Re: S-38  
by wkhibbert@juno.com
- 16) [144898] QRP Rig Comes Full Circle....it's a story of love...  
by k4vib@att.net
- 17) [144899] List Traffic  
by "John J. McDonough" <wb8rcr@arrl.net>
- 18) [144900] RE: Hallicrafters S38 Info Needed....  
by Nick Kennedy <nkennedy@tcainternet.com>
- 19) [144901] FT-817's for sale - 10 of them

- by <mgoins@usa.net>
- 20) [144902] FS: Norm's found something else!!!  
by Lloyd Lachow <llachow@yahoo.com>
- 21) [144903] Halicrafters S38 info..use an isolation transformer.  
by ve3ab@mail.mondenet.com
- 22) [144904] Re: Hallicrafters S38 Info Needed....  
by "Leland Bahr" <pulsarxp@earthlink.net>
- 23) [144905] Who needed a 10M beacon xmtr?  
by "Howard Kraus" <K2UD@adelphia.net>
- 24) [144906] North American Sprint-- qrz rule  
by "pschweit" <pschweit@mninter.net>
- 25) [144907] Re: Hallicrafters S38 Info Needed....  
by Steven Weber <kd1jv@moose.ncia.net>
- 26) [144908] Re: 30 KHz to 30 MHz ! At LAST ! Something that we can ALL  
use !  
by Steven Weber <kd1jv@moose.ncia.net>
- 27) [144909] RE: Germanium transistors data  
by "Prof. Arnaldo Coro Antich" <inforhc@ip.etcasa.cu>
- 28) [144910] Need info on capacitor  
by "John" <jdorson@worldshare.net>
- 29) [144911] DSWTUN03, release 0.67 is up...  
by "Bill, N4QA" <n4qa@hotmail.com>
- 30) [144912] RE: Pre-Amps  
by "Sverre Holm - LA3ZA" <la3za@qsl.net>
- 31) [144913] Follow-Up to Foot Switches Post  
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 32) [144914] Fwd: Fireball watch: Starshine 3 satellite to disintegrate on  
Jan. 21st  
by Ed Tanton <n4xy@earthlink.net>
- 33) [144915] WTB: Knwd hand mike  
by "Robert Armstrong" <barmstrong@manti.com>

-----

Date: Sat, 18 Jan 2003 12:30:55 -0700  
From: <tlogan7@cox.net>  
To: "Elecrafft Reflector" <elecraft@mailman.qth.net>  
Cc: "QRP-1" <qrp-1@Lehigh.EDU>  
Subject: [144883] K1-4 sold - thank you for the inquires  
Message-ID: <005201c2bf28\$1f0df280\$c9e96a44@ph.cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi folks -

The K1-4 has been sold. Thank you for the inquires. 73/Tim NZ7C

-----  
Date: Sat, 18 Jan 2003 20:33:11 -0000  
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144884] Hallicrafters S38 Info Needed....  
Message-ID: <000501c2bf30\$d4696e90\$055bfea9@GM0NWI LAPTOP>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guy's

Wondering if anyone here on the list can help me aquire information, for a friend who is currently "restoring" an old "Hallicrafters S38" radio...?

The radio is "intact" as far as we know, except that it had lain out in a garden shed for many a year, when someone "inadvertantly" caused it to have some power through it, ....resulting in a loud "bang" when smoke poured out of the poor thing....

Can anyone here on the list please help with the following information on this wonderful "piece of radio history"

- 1... Operating/Instruction Manual
- 2... Circuit Diagram (s)
- 3... "Hint 'n' Tips" or "Mods" of any kind ....
- 4... Somewhere, say on the "web" where either (dare I say it...) spares can be had  
        second-hand or "new"

I'll let any answers for this one go straight to the list, incase anyone else out there needs similar help.....

" Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com

72's, 73's  
"..Badda-Bing..Badda-Boom.."  
Andy  
A.R.S.

"..It is vain to do with more....

"A Dis-Orientated Kiwi...  
GM0NWI QRP                      what can be done with less..."  
In The Northern Hemisphere..."

GQRP No.9576  
QRP-L No.2165  
Alaskan QRP Club No.190

ICQ No.31899603

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Your Outgoing Mail Is Certified Virus Free..Thanks To AVG Virus Protection  
Software

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.427 / Virus Database: 240 - Release Date: 06/12/2002

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Date: Sat, 18 Jan 2003 13:40:57 -0700  
From: "Jess Gypin" <jessmx5@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144885] FS Kenwood MC-85 3 Channel Desk Mike  
Message-ID: <006501c2bf31\$e7f21560\$41365742@jgypin>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

MC-85 Desk Mike

Mike Level and compression sets. 3 channles. cables for 2 chaneels included.

\$35.00

Jess

-----

Date: Sat, 18 Jan 2003 16:49:52 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [144886] 30 KHz to 30 MHz ! At LAST ! Something that we can ALL use !  
Message-ID: <BAY1-F153igSIuK300y00011674@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I'm now convinced that if I connected the DSW's DDS output to an audio amp and a really good tweeter, even local wildlife could copy the DSW-30...using, perhaps, only 'Rabbit Ears' !

My trusty TS-440S' receiver only goes down to 30 KHz and up to 30 MHz. But it can hear the DSW-30's DDS, driven by DSWTUN03, over that entire span. And I'll bet the DDS does ok on down into the human 'audio band'. Of course, with MCLK of only 32 MHz, I don't imagine that the DDS output up at 30 MHz would be remotely 'spectrally pure'. Hmm...DSW-20 DOES use MCLK of 50 MHz...say...I'll bet by now ADI has a drop-in replacement for the AD9835 which can be clocked much faster... What I'm trying to say is that Dave's (K1SWL) DSW-series just keeps on giving...now, it would seem, that DSW-X0s or any fixture sporting an AD9835-like device might also make dandy little sig gens/vfos...VLF to VHF.

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

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Protect your PC - get McAfee.com VirusScan Online

<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

-----  
Date: Sun, 19 Jan 2003 01:27:17 +0300

From: "Oleg V. Borodin" <master72@lipetsk.ru>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [144887] FoxHunt

Message-ID: <005e01c2bf41\$1b8cffc0\$64e422c3@user>

MIME-Version: 1.0

Content-Type: text/plain;

charset="koi8-r"

Content-Transfer-Encoding: 7bit

Dear OM's!

Thanks for all who inform me about Fox Hunt Competition!

I has read a Rules at cqcc.org site and will inform all RU-QRP Club's Members about this Contest.

Hope to meet you at Summer Fox Hunt on 20m band. TNX!

72! de RV3GM/QRP Oleg

-----  
Date: Sat, 18 Jan 2003 17:57:29 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [144888] The Side Kick'er, 40M Tx module  
Message-ID: <3.0.6.32.20030118175729.007b35a0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I posted the schematic and discription for the "Side Kick'er" a companion 40M Tx module you can add to your Scorpion Side Kick receiver to make it a transceiver. The circuit uses a 74HC86 and a Class E 2N7000 final.

<http://www.qsl.net/kd1jv/SIDEKICKER.HTM>

Enjoy!

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Sat, 18 Jan 2003 23:35:57 +0000  
From: Larry Cahoon <lejek@erols.com>  
To: qrp-1@lehigh.edu  
Subject: [144889] VA Fall all Counties QRP  
Message-ID: <5.1.0.14.0.20030118233154.00baa7b8@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I just finish a QSO with Bob, W4RKR in Nelson County, VA to finish off another state - all counties QRP. We had been trying to set up a sked. Then I got an e-mail from him telling me he would be sending CQ on 7.029. Good timing on checking the mail, dropped down there and there he was. Loud enough I went ahead and came back with the K1 set at half a watt.

That leaves 38 counties in 14 states to go. Average power to get a VA county - 1.07 watts.

73 de Larry.....WD3P in MD  
<http://www.wd3p.net/>

-----  
Date: Sat, 18 Jan 2003 20:26:47 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: gm0nwiqrp@btopenworld.com  
Cc: qrp-1@lehigh.edu  
Subject: [144890] Re: Hallicrafters S38 Info Needed.....  
Message-ID: <BAY1-F89driE279K7AZ0001182f@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi, Andy.

Glad you asked about the S-38. Had an S-38D myself some years ago.  
Found the following website to be an invaluable source of info, links etc  
for the S-38 series receivers:  
<http://www.concentric.net/~Stwradio/hals38.htm>  
Good luck and let us know how your restoration efforts progress.

73.

Bill, N4QA  
<http://www.qsl.net/n4qa/>

>From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>  
>To: <n4qa@hotmail.com>  
>Subject: Hallicrafters S38 Info Needed.....  
>Date: Sun, 19 Jan 2003 00:32:57 -0000  
>MIME-Version: 1.0  
>Received: from gadolinium.btinternet.com ([194.73.73.111]) by  
>mc4-f25.law16.hotmail.com with Microsoft SMTPSVC(5.0.2195.5600); Sat, 18  
>Jan 2003 16:33:01 -0800  
>Received: from host213-122-202-22.in-addr.btopenworld.com ([213.122.202.22]  
>helo=GM0NWILAPTOP) by gadolinium.btinternet.com with smtp (Exim 3.22 #16) id  
>18a30V-0002sE-00for n4qa@hotmail.com; Sun, 19 Jan 2003 00:32:59 +0000  
>Message-ID: <000201c2bf52\$5149f4e0\$055bfea9@GM0NWILAPTOP>  
>References: <BAY1-F22tBGF8IIIRjB00012bfd@hotmail.com>  
>X-Priority: 3  
>X-MSMail-Priority: Normal  
>X-Mailer: Microsoft Outlook Express 6.00.2800.1106  
>Disposition-Notification-To: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>  
>X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106

>Return-Path: gm0nwiqrp@btopenworld.com  
>X-OriginalArrivalTime: 19 Jan 2003 00:33:01.0465 (UTC)  
>FILETIME=[52A65090:01C2BF52]  
>  
>Guy's....  
>  
>Tried to "post" this plea...to the list earlier, but it doesn't seem to  
>have  
>made it through...  
>  
>So here goes .....2nd time around maybe....  
>  
>I have a fellow "ham" friend here in Stirling, where I live, who is  
>currently tryin' to "ressurect"  
>an old "vintage" Hallicrafters S38 radio....  
>  
>I have been asked by him, to enquire if any of the guy's here on the list  
>can help with obtaining,  
>a few pieces of information, that my friend needs to help with his  
>"restoration"  
>  
>Does anyone here on the list have, .....or know where on the "web" I could  
>obtain the following....  
>  
>  
>1... Operating/Instruction Manual....  
>  
>2... Circuit Diagram/ Component Listing....  
>  
>3... "Hints 'n' Tips .....or...."Mods"  
>  
>4... Dare I say it....!!! Spare Parts (new) or old  
>  
>  
>If anyone here on the list, can help me acquire these things for a dear  
>friend to me.....I would again  
>be "forever in your debt".....I'll let any answers to this "plea" go to the  
>list....so if you have anything  
>for me, or others on the list with a problem like this.....please "post"  
>" Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com  
>  
>72's, 73's  
>"..Badda-Bing..Badda-Boom.."  
>Andy  
>A.R.S. "It is vain to do with more...."  
>"A Dis-Orientated Kiwi...  
>GM0NWI QRP what can be done with less..."  
>In The Northern Hemisphere..."



>  
>GQRP No.9576  
>QRP-L No.2165  
>Alaskan QRP Club No.190  
>  
>ICQ No.31899603  
>  
>  
>  
>---  
>Your Outgoing Mail Is Certified Virus Free..Thanks To AVG Virus Protection  
>Software  
>Checked by AVG anti-virus system (<http://www.grisoft.com>).  
>Version: 6.0.427 / Virus Database: 240 - Release Date: 06/12/2002

-----  
MSN 8: advanced junk mail protection and 2 months FREE\*.  
<http://join.msn.com/?page=features/junkmail>

-----  
Date: Thu, 09 Jan 2003 13:19:21 -0500  
From: Alex <[kr1st@amsat.org](mailto:kr1st@amsat.org)>  
To: [bshort4@cox.net](mailto:bshort4@cox.net)  
Cc: Low Power Amateur Radio Discussion <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [144891] Re: APRS and ARRL contests  
Message-ID: <[3E1DBD29.779AECBA@amsat.org](mailto:3E1DBD29.779AECBA@amsat.org)>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Brian,

Actually, in another message Dan indicated (and he was explicitly addressing APRS) that you could also have only one transmitted signal. Transmitting your position on one radio and making contacts on another violates the "one-transmitting signal" rule.

We have to be careful not to try to assume what someone else means. I try to avoid that because these interpretations often create more of the gray area.

My personal objection is that I can not participate in a network intended for emergency communications while I operate in a contest. I get my weather warnings this way, I want to test my APRS software while I'm doing the contest, etc. APRS is not intended for spotting, and I

don't think anyone is using it that way. Yes you could use it that way (although it would not be very efficient)...just like you could catch a satellite pass during a contest and make a quick contact and exchange grid squares. I doubt anyone doing the latter is soliciting contacts for a contest that way. Oh well...

I wonder if those same officials would go as far as going on findu.com to make sure non of the contest participants were running an APRS station.

73,  
--Alex KR1ST

Brian Short wrote:

>  
> Alex,  
>  
> The statement which you quoted did not say that having an APRS  
> station "running" was a violation of the rules (as interpreted).  
> It said "using" APRS (presumably in a manner to "spot") was a  
> violation.  
>  
> The question remains (at least in my mind) in this interpretation of  
> the rules may a call sign be used as an APRS node and to enter  
> the contest during the same period?  
>  
> I recall once reading where some people in HF contests log into  
> a packet cluster, but only to send out spots of DX stations. They  
> do not look at incoming spots and are not forced to enter in a  
> "assisted" class.  
>  
> This was all in response to some vague threat of officials looking at  
> logs of cluster usage during contests and matching call signs with  
> entry classes, as I recall.  
>  
> Lot of gray area (in both cases).  
>  
> Probably we will be reading about the former issue in a QST soon :)  
>  
> On Thursday, January 9, 2003, at 12:58 AM, Alex wrote:  
> >> FWIW, BeacoNET is not APRS!  
> >  
> > I quoted Dan's statement, and his statement was about APRS. The person  
> > on the APRSSIG list who did the inquiry which resulted in the statement  
> > asked about APRS, not Beaconet. Yes, the same issue is at hand for  
> > Beaconet, but please do not suggest that the statement I made was  
> > false.  
> > You can not have an APRS station running when you participate in the

> > contest.  
> >  
> > 73,  
> > --Alex KR1ST  
> --  
> See my web page: <http://www.k7on.com>

-----  
Date: Sat, 18 Jan 2003 22:07:07 -0500  
From: Rick McKee <kc8aon@juno.com>  
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU  
Subject: [144892] MFJ CWF-2 Schematic  
Message-ID: <20030118.220715.8942.1.kc8aon@juno.com>

Gang,

Wanted to thank everyone that replied to my request, got all the info I needed and I think in record time too ! What a great bunch ! Thanks a million guys ! And Mike and Andy, I have already forwarded copies to you too ! Let me know if you get them or not.

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio  
SW 40+, HW-8, Homebrew 6V6 tube TX & Surplus GRC 109 RX  
Power is for punks ! QRP is for the confident !  
QRP-L #2112, FPqrp #33, AR QRP #269  
"A clear conscience is most likely the result of a poor memory"

-----  
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-----  
Date: Sun, 19 Jan 2003 00:18:40 -0500  
From: Brian Short <bshort4@cox.net>  
To: Low Discussion <qrp-1@Lehigh.EDU>  
Subject: [144893] Re: APRS and ARRL contests  
Message-ID: <787916C1-2B6D-11D7-9AE6-00306543B616@cox.net>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v551)  
Content-Transfer-Encoding: 7bit

People like Dan do their job well as do those who volunteer to make these contests a reality.

Technology sometimes comes along which brings into question the fundamental assumptions behind these events.

Sometimes, emotion plays a role, too.

According to QST, participation in contests is up despite declining sun spots. This is a credit to those involved.

There is the Contest Advisory Committee and others who serve to make all of this possible. I would suggest that anybody concerned contact their CAC representatives.

Also, contact your Section Manager as well as their leadership at the Division level.

Email addresses are available online. Send them an email!

On Thursday, January 9, 2003, at 01:19 PM, Alex wrote:

> Actually, in another message Dan indicated (and he was explicitly  
> addressing APRS) that you could also have only one transmitted signal.  
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> violates the "one-transmitting signal" rule.  
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> don't think anyone is using it that way. Yes you could use it that way  
> (although it would not be very efficient)...just like you could catch a  
> satellite pass during a contest and make a quick contact and exchange  
> grid squares. I doubt anyone doing the latter is soliciting contacts  
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> to make sure none of the contest participants were running an APRS  
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> 73,  
> --Alex KR1ST  
--

See my web page: <http://www.k7on.com>

-----  
Date: Sun, 19 Jan 2003 01:54:47 -0500  
From: Pete Burbank <plburbank@earthlink.net>  
To: gm0nwiqrp@btopenworld.com  
Cc: qrp-1@lehigh.edu  
Subject: [144894] Re: Hallicrafters S38 Info Needed....  
Message-ID: <5.2.0.9.0.20030119014036.00a2c040@Earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I think what happened was an electrolytic capacitor popped. The practice on old receivers is to bring the power supply up slowly with a Variac. I had a few S-38 radios and they are pretty simple...almost like an AC -DC table radio. I don't really think you need a schematic to repair it. Your nose should lead you to the blown part. Hey the gals in Dunoon have really nice legs! :-)  
73  
Pete NV4V

At 03:33 PM 1/18/2003, you wrote:

>Guy's

>

>Wondering if anyone here on the list can help me aquire information, for a  
>friend who is  
>currently "restoring" an old "Hallicrafters S38" radio...?

>

>The radio is "intact" as far as we know, except that it had lain out in a  
>garden shed for many  
>a year, when someone "inadvertantly" caused it to have some power through  
>it, ....resulting  
>in a loud "bang" when smoke poured out of the poor thing....

>

>Can anyone here on the list please help with the following information on  
>this wonderful  
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>

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>2... Circuit Diagram (s)

>

>3... "Hint 'n' Tips" or "Mods" of any kind ....

>

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>can be had

> second-hand or "new"  
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 >"..Badda-Bing..Badda-Boom.."  
 >Andy  
 >A.R.S. "..It is vain to do with more....  
 >"A Dis-Orientated Kiwi...  
 >GM0NWI QRP what can be done with less..."  
 >In The Northern Hemisphere..."  
 >  
 >GQRP No.9576  
 >QRP-L No.2165  
 >Alaskan QRP Club No.190  
 >  
 >ICQ No.31899603  
 >  
 >  
 >  
 >---  
 >Your Outgoing Mail Is Certified Virus Free..Thanks To AVG Virus Protection  
 >Software  
 >Checked by AVG anti-virus system (<http://www.grisoft.com>).  
 >Version: 6.0.427 / Virus Database: 240 - Release Date: 06/12/2002

-----  
 Date: Sun, 19 Jan 2003 06:44:22 -0600  
 From: Karl Kanalz <kkanalz@gcecispc.com>  
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
 Subject: [144895] RE: Hallicrafters S38  
 Message-ID: <01C2BF86.4BB57020@KKANALZ>

Andy,  
 Go to this website:

<ftp://bama.sbc.edu/downloads/hallicra/>

"Boat Anchors" has schematics for ALL the models of Halliscratcher S-38's  
 (the original, the -A, -B, and -C D,and the -E models).

I suspect the "big bang" sound was caused by an electrolytic capacitor blowing out one of its ends (if not all over!). It'll be messy to clean up, but is easily replaced.

Spare valves can be purchased from several sources here in the States, but I'll be you can also find them in the UK with a bit of advertising on your local Internet "bulletin boards" or the GQRP Club's reflector.

Karl K - W8TIF  
McKinney, Texas

-----Original Message-----

From: Andy GM0NWI [SMTP:gm0nwiqrp@btopenworld.com]  
Sent: Saturday, January 18, 2003 2:33 PM  
To: Low Power Amateur Radio Discussion  
Subject: Hallicrafters S38 Info Needed....

Guy's

Wondering if anyone here on the list can help me aquire information, for a friend who is currently "restoring" an old "Hallicrafters S38" radio...?

The radio is "intact" as far as we know, except that it had lain out in a garden shed for many a year, when someone "inadvertantly" caused it to have some power through it, ....resulting in a loud "bang" when smoke poured out of the poor thing....

Can anyone here on the list please help with the following information on this wonderful "piece of radio history"

- 1... Operating/Instruction Manual
- 2... Circuit Diagram (s)
- 3... "Hint 'n' Tips" or "Mods" of any kind ....
- 4... Somewhere, say on the "web" where either (dare I say it...) spares can be had second-hand or "new"

I'll let any answers for this one go straight to the list, incase anyone else out there needs similar help.....

" Greetings From Bonnie Scotland..."

gm0nwiqrp@btopenworld.com

-----  
Date: Sun, 19 Jan 2003 10:05:02 -0500  
From: "Lee Mairs" <lmairs@direcway.com>  
To: "qrp1" <qrp-1@Lehigh.EDU>  
Subject: [144896] Gorgeous 38 SPecial  
Message-ID: <018d01c2bfcc\$28452950\$3b6d020a@boomer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Just found this gorgeous 38 Special on ebay:  
<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=3000468316&category=4674>

Sure wish I didn't already have two of them! Anybody got one of these  
KE6RIE 38 Special enclosures they'd like to sell?  
73 de Lee  
KM4YY

-----  
Date: Sun, 19 Jan 2003 10:34:09 -0500  
From: wkhibbert@juno.com  
To: gm0nwiqrp@btopenworld.com  
Cc: qrp-1@lehigh.edu  
Subject: [144897] Re: S-38  
Message-ID: <20030119.103409.-353563.0.wkhibbert@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Andy. Keith here in the Depths of the Great Bergen Swamp.

A frozen swamp it is this AM! -15C and a fresh 5 cm of snow!

Your S-38 would have been an export model. When you check the  
schematics, make sure you get there correct one, this for 220 VAC on the  
mains. The filament string in the S-38 is connected in series, and the  
version sold here was 5 tubes with filament voltages of  
50V/35V/12V/12V/12V which was close enough to the 110VAC standard to  
work.

I seem to recall that the 5-tube AC/DC radios had either a ballast  
resistor in the line or a transformer to run on 220 VAC.



I also agree that most likely an electrolytic let go and let all of that fancy smoke out of the can!

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section  
President, Brockport Amateur Radio Klub  
"My night light runs more power than my Rig!!!"

---

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Date: Sun, 19 Jan 2003 15:51:33 +0000  
From: k4vib@att.net  
To: qrp-l@Lehigh.EDU  
Subject: [144898] QRP Rig Comes Full Circle....it's a story of love...  
Message-ID: <20030119155135.CWLC9286.mtiwmhc11.worldnet.att.net@mtiwebc19>

I recently bought a SW30+ from Dave Gauding - NF0R. I have built a couple of these rigs and eventually sold both although I wish I hadn't have sold them later. I was out of town when the rig arrived in the mail but when I got back Friday nite and opened the box the front panel caught my eye and looked very familiar. I turned the rig over and there it was...KD4PWB Bill Harbour...right on the back. I had built that rig and what do you suppose the chances are owning it twice?? What made it even more of a cool thang is that David got the rig in a swap. So it looks like destiny and I'll just keep the rig now...forever.

Take it easy,

Bill  
K4VIB

---

Date: Sun, 19 Jan 2003 11:06:38 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144899] List Traffic  
Message-ID: <002101c2bfd4\$c16e52c0\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Looks like the traffic to the list has been declining slightly for a while. I just finished zipping up the 2002 archives, and the size of the zip files are interesting:

```
1951368 Jan 30 1994 1993.zip
4108382 Jan 15 1995 1994.zip
7482056 Jan 8 1996 1995.zip
13619568 Jan 15 1997 1996.zip
17885492 Oct 15 1998 1997.zip
18613994 Jan 7 1999 1998.zip
19532199 Jan 16 2000 1999.zip
18230344 May 12 2001 2000.zip
18953425 Jan 18 2002 2001.zip
17967329 Jan 2 13:23 2002.zip
```

```
72/73 de WB8RCR      http://www.qsl.net/wb8rcr
didileydadidah      QRP-L #1446 Code Warriors #35
```

-----

Date: Sun, 19 Jan 2003 10:19:38 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [144900] RE: Hallicrafters S38 Info Needed....  
Message-ID: <01C2BFA4.464899A0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

On the old AC/DC type radios ... I'm not a super safety zealot, but I think it's well worthwhile to replace the old 2/c AC cord with a 3/c and ground the chassis. Even when they're working right, those old boxes could give you a pretty good tickle. And when things go wrong they can give you a lot more.

If it has the original cord it's probably stiff and cracked anyway.

72--Nick, WA5BDU

On Sunday, January 19, 2003 12:55 AM, Pete Burbank  
[SMTP:plburbank@earthlink.net] wrote:  
I had a few S-38 radios and they  
> are pretty simple...almost like  
> an AC -DC table radio. I don't really think you need a schematic to  
repair  
> it. Your nose should lead you to the  
> blown part.

-----  
Date: Sun, 19 Jan 2003 11:22:17 -0500  
From: <mgoins@usa.net>  
To: <qrp-l@lehigh.edu>  
Subject: [144901] FT-817's for sale - 10 of them  
Message-ID: <415HasqwR1984S16.1042993337@uwdvg016.cms.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

This appeared last night on the yahoo groups FT-817 reflector, and I thought I'd pass it on to anyone who might be interested. Tried then, and it didn't go through for some reason.

Pretty good price with the CW filter included, if all is legitimate. No connection to anyone. Simply passing along information. =

72,

mike  
wb5yjx  
managing editor  
QRP Quarterly  
QRP-ARCI 3922, SOC 54, Flying Pig 447, QRP-L 2130  
Adventure Radio 810, Alaska QRP 514, QCWA 30857

-----  
Date: Sun, 19 Jan 2003 08:41:38 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: a low-energy group <qrp-l@lehigh.edu>  
Subject: [144902] FS: Norm's found something else!!!  
Message-ID: <20030119164138.99581.qmail@web41006.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

> Reply to - Norm - K9NK --- k9nk@aol.com  
>

> For Sale: ATX-Walkabout Portable Antenna - Like New

> - Covers 80-6 meters.  
> Includes L shaped BNC to Coax Adapter and Manual -  
> \$85 - Plus Shipping  
>  
> Reply to - Norm - K9NK --- k9nk@aol.com  
>

-----  
Do you Yahoo!?  
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.  
<http://mailplus.yahoo.com>

-----  
Date: Sun, 19 Jan 2003 12:17:34 +0000  
From: ve3ab@mail.mondenet.com  
To: qrp-l@lehigh.edu  
Subject: [144903] Halicrafters S38 info..use an isolation transformer.  
Message-ID: <200301191723.h0JHNI606083@barclay.mondenet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I have an S38C and I use it to listen to the AM Broadcast Band mainly. It is wise practise to use an Isolation Transformer as I got a shock one time because the chasis can get live with AC. It is a metal cabinet. I have a nice big isolation transformer in the shack that does the trick for the S38 and other radio equipment. I bought mine second hand for \$25.00.  
You can make an isolation transformer by taking 2 step down transformers ie 12 v secondaries and wiring them up with the 12 v secondary windings in parallel..then take 117 vac from the other primary. I havent done this myself..but i think it should work fine.  
73 Earl VE3AB

-----  
Date: Sun, 19 Jan 2003 11:26:29 -0600  
From: "Leland Bahr" <pulsarxp@earthlink.net>  
To: <gm0nwiqrp@btopenworld.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [144904] Re: Hallicrafters S38 Info Needed....  
Message-ID: <02b601c2bfdf\$e7fb1800\$6ff09840@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hallicrafters made an S-38, S-38A through S-28E from right after WW-2 through the early 60s. The S-38 (original) has the better circuitry. The later units were cheapened in design slightly. Many hams started out in the hobby with a version of the S-38. It is a simple design but does work fairly well, especially for a short wave listener.

Since this radio is an AC-DC design (no power transformer) it can be quite a shock hazzard to someone not familiar with the design, especially considering the age. ONE SIDE OF THE POWER LINE IS CONNECTED TO THE CHASSIS. WITHOUT A POWER TANSFORMER AND WITH OLD SHORTED PAPER CAPACITORS, YOU ARE ASKING FOR DANGEROUS TROUBLE PLUGGING IN THE RADIO UNTIL THE FOLLOWING IS PERFORMED.

Yes, the electrolytic which is multiple section is bad. Blown, gone! However, every paper capacitor in the radio needs to be replaced too. There are maybe seven of them in the radio. These old paper capacitors are wound with paper insulation between the two foil wound plates. The paper contained some acid and with age the bees wax covering allowed moisture to be absorbed through it and combined with the acid, a battery is formed and the capacitor becomes very LEAKY. There are around 7 of them in the radio. I can't remember exactly the number off the top of my head. It would cost very little in parts value to replace all these capacitors. Maybe \$12.00 US. It would take around 1 hour to do all this. While you are at it, it would be wise to check all the tubes too.

Lee Bahr  
w0vt  
Houston, Texas

----- Original Message -----

From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, January 18, 2003 2:33 PM  
Subject: Hallicrafters S38 Info Needed....

> Guy's  
>  
> Wondering if anyone here on the list can help me aquire information, for a  
> friend who is  
> currently "restoring" an old "Hallicrafters S38" radio...?  
>  
> The radio is "intact" as far as we know, except that it had lain out in a  
> garden shed for many  
> a year, when someone "inadvertantly" caused it to have some power through  
> it, ....resulting  
> in a loud "bang" when smoke poured out of the poor thing....  
>

> Can anyone here on the list please help with the following information on  
> this wonderful  
> "piece of radio history"  
>  
> 1... Operating/Instruction Manual  
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> 2... Circuit Diagram (s)  
>  
> 3... "Hint 'n' Tips" or "Mods" of any kind ....  
>  
> 4... Somewhere, say on the "web" where either (dare I say it...) spares  
> can be had  
> second-hand or "new"  
>  
> I'll let any answers for this one go straight to the list, incase anyone  
> else out there needs similar help.....  
>  
> " Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com  
>  
> 72's, 73's  
> "..Badda-Bing..Badda-Boom.."  
> Andy  
> A.R.S. "..It is vain to do with more...."  
> "A Dis-Orientated Kiwi...  
> GM0NWI QRP what can be done with less..."  
> In The Northern Hemisphere..."  
>  
> GQRP No.9576  
> QRP-L No.2165  
> Alaskan QRP Club No.190  
>  
> ICQ No.31899603  
>  
>  
>  
> ---  
> Your Outgoing Mail Is Certified Virus Free..Thanks To AVG Virus Protection  
> Software  
> Checked by AVG anti-virus system (<http://www.grisoft.com>).  
> Version: 6.0.427 / Virus Database: 240 - Release Date: 06/12/2002  
>

-----  
Date: Sun, 19 Jan 2003 12:33:00 -0500  
From: "Howard Kraus" <K2UD@adelphia.net>

To: <qrp-1@Lehigh.EDU>  
Subject: [144905] Who needed a 10M beacon xmtr?  
Message-ID: <000701c2bfe0\$d057f500\$35623018@buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I can't find the original posting on this, but I'd recommend two possibilities for a 10M beacon rig.

The Iowa QRP 10-the xmtr section could be used if you change the value of X5 to put you in the "beacon band." This would provide a very stable VX0ed xmtr that would allow you to wander for a clear freq. Fall 2000 QRPp.

If crystal control is not a handicap, Doug DeMaw's/Wes Hayward's Universal Transmitter (Little Joe) will give you about 1.5W on 10M. Clean stable keying. It's in QRP Classics.

Hope this helps, 72 all

Howard Kraus, K2UD

-----  
Date: Sun, 19 Jan 2003 12:33:07 -0600  
From: "pschweit" <pschweit@mninter.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [144906] North American Sprint-- qrz rule  
Message-ID: <005e01c2bfe9\$37dfe360\$68e6add1@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

ok...

can anyone explain why?

or is the datona 500 that weekend?

de rob  
KA0PGQ

-----

Date: Sun, 19 Jan 2003 14:29:53 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: gm0nwiqrp@btopenworld.com  
Cc: qrp-l@lehigh.edu  
Subject: [144907] Re: Hallicrafters S38 Info Needed....  
Message-ID: <3.0.6.32.20030119142953.007baea0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

No doubt the power supply electrolytics went bang.

Another potential problem is with the power transformer. I have noticed that old radios stored for a long time in damp environments can damage the power transformer. Generally ends up with shorted HV windings. If the power transformer starts to sizzle and smoke after a few minutes, that's the problem :-(

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Sun, 19 Jan 2003 14:10:48 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: n4qa@hotmail.com  
Cc: qrp-l@lehigh.edu  
Subject: [144908] Re: 30 KHz to 30 MHz ! At LAST ! Something that we can ALL use !  
Message-ID: <3.0.6.32.20030119141048.007b6130@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Bill,

In addition to the desired fundamental output of a DDS, there are also "aliasing" images, which are centered around the clock frequency.

If the DDS is running with a 50 MHz clock and outputting say, 10 MHz, there will also be a signal at 40 MHz and 60 MHz. (This is also true of all the harmonics of the clock, but of less significance) As  $F_o$  approaches  $1/2$  the clock,  $F_c - F_o$  also approaches  $1/2$  the clock, until till they meet at the middle.

As these two signals get close to each other in frequency, thier amplitude is also very similar, so it gets difficult to seperate the two with



filters. It is generally recommended that the output of the DDS be limited to  $1/3$  of the clock, so that the aliasing images can be effectively filtered out with a modest filter. One can push this limit if one uses a better low pass filter on the output of the DDS. One other consideration is as the output frequency gets higher, so does the number and amplitude of "low level" spurs on the output.

I have seen some DDS designs published which do not include an anti-aliasing filter and push the output close to  $1/2$  the clock--big mistake!

Further, the output of the DDS follows a  $\sin x/x$  curve. If we limit the output to  $1/3$  of the clock, the output level stays reasonably flat over that range.

Since the first order aliasing image ( $F_c - F_o$ ) is of reasonable amplitude, it is possible to pick off this signal for use with filters. However, you are limited to using the signal in the middle of its range, so that it can be effectively isolated from the  $F_o$  and  $F_c$  signals, which are also present, and of significantly stronger amplitude.

At present, I don't believe ADI makes a faster version of the 9835. To go above the 15 Mhz practical limit of the 9835, you need to use a 9850.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

-----  
Date: Sun, 19 Jan 2003 14:38:30 -0400

From: "Prof. Arnaldo Coro Antich" <inforhc@ip.etecsa.cu>

To: <qrp-L@LeHigh.edu>

Subject: [144909] RE: Germanium transistors data

Message-ID: <002f01c2bfe9\$f7aa1800\$1001a8c0@user>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi amigos !

Just found a bunch of Japanese germanium transistors, I know they are Ge and not Si thanks to the digital multimeter...BUT. I don't have a transistor curve tracer, so help is appreciated in order to see if these relics can be useful for some of the newbies receiver projects

They are

2SA466 ( possible for RF ???)

2SA324 ( " " " )

2SB134  
2SB135  
2SB136  
2SB187

I need to know at least the basic parameters like Ic , Hfe and Frequency range...

And of course any other useful data

73 and DX

Arnie Coro

C02KK

2SB324

-----  
Date: Sun, 19 Jan 2003 14:57:55 -0500  
From: "John" <jdorson@worldshare.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [144910] Need info on capacitor  
Message-ID: <000f01c2bff5\$1335a250\$e59a8b41@ATHOME>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a E. F. Johnson capacitor which appears to be in new condition, model 154-14. Can anyone tell me the capacitance range. Also it has a 2 1/8" National Radio knob.

If anyone is interested in it let me know.

Thanks.

John K2JHU...

South Island Real Estate

jdorson@worldshare.net

-----  
Date: Sun, 19 Jan 2003 15:05:48 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [144911] DSWTUN03, release 0.67 is up...  
Message-ID: <BAY1-F228fcjcMzfoV100012091@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I've only completed about two-thirds of the programming for DSWTUN03, hence release 0.67 .

Since I've been using the DSW-30 as the test-bed for this project, the program currently available at the website works best on a DSW-30.

Persons possessing an AD9835 development board or similar fixture \*may\* also benefit from use of DSWTUN03 and its associated hardware interface.

I've also updated the interface schematic and as you will see, the program, in its present form, will output data ONLY on a standard PC parallel printer port at base I/O address 888, base ten (378 hex).

I'm going to relax for a while and just enjoy the current program.

Sometime later, I'll go 'all-models', more I/O addresses, more functions etc...

I need a break :)

If you get a chance, try it and let me know what you think.

Thanks.

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

---

The new MSN 8: smart spam protection and 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>

---

Date: Sun, 19 Jan 2003 21:54:49 +0100  
From: "Sverre Holm - LA3ZA" <la3za@qsl.net>  
To: <christrask@earthlink.net>,  
    "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [144912] RE: Pre-Amps  
Message-ID: <000001c2bffd\$03d9c630\$8e00a8c0@Master>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="us-ascii"  
Content-Transfer-Encoding: 7bit

This thread has been one I have followed with much interest and I am tempted to try the preamp/mixer combination of Chris / N7ZWY for my 20 m project.

Another big consumer of current can be the post-mixer amplifier, so how would the preamp do as a post-mixer amplifier? - or maybe since the

mixer is active, there is no need for it so one can feed the mixer right into a crystal filter? comments?

> Adding the augmentation transformer to  
> the Norton amplifier gained an additional 10-15dB of IMD3 and  
> P1dB performance while at the same time keeping the bias  
> current down where the NF is optimal.

73  
Sverre  
LA3ZA  
[www.qsl.net/la3za](http://www.qsl.net/la3za)

-----  
Date: Sun, 19 Jan 2003 16:29:57 -0500  
From: "Kevin F. Glynn" <kfglynn@mindspring.com>  
To: <njqrp@njqrp.org>, <qrp-1@lehigh.edu>  
Subject: [144913] Follow-Up to Foot Switches Post  
Message-ID: <000901c2c001\$ea9db6e0\$13e5fea9@glynn981>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang,

Thanks for everyone who replied with their experiences with foot switches.  
I received the following:

1 Control International user from Grainger

1 old dictaphones

1 from All Electronics

1 MFJ

1 Linemaster 632 from Grainger

2 homebrew designs

2 from sewing machine repair shop

5 Heil

6 Radio Shack

72 Kevin N2T0  
Brooklyn, NYC  
kfglynn@mindspring.com

-----  
Date: Sun, 19 Jan 2003 17:21:00 -0500  
From: Ed Tanton <n4xy@earthlink.net>  
To: QRP-L Reflector <qrp-l@lehigh.edu>,  
noGA reflector <nogaqrp@mailman.qth.net>  
Subject: [144914] Fwd: Fireball watch: Starshine 3 satellite to disintegrate on  
Jan. 21st  
Message-ID: <5.2.0.9.2.20030119171950.043ab5b8@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Space Weather News for January 19, 2003  
><http://www.spaceweather.com>  
>  
>The glittering Starshine 3 satellite, built by schoolkids and launched in  
>Sept. 2001, will soon re-enter Earth's atmosphere. Can you spot the  
>fireball? Re-entry estimates vary from 0500 UT (midnight EST) to 1330 UT  
>(8:30 EST) on Tuesday, Jan. 21st. Although Starshine is likely to re-enter  
>above some unpopulated stretch of ocean, the satellite's final orbit does  
>carry it over North America and eastern Europe where sky watchers might  
>see it.  
>  
>"There's no danger to anyone on the ground," says Prof. Gil Moore, the  
>director of Project Starshine. "We designed the satellite so that it will  
>be 100% consumed about 80 km up." Except for a few small steel screws the  
>body of the spacecraft is made entirely of aluminum--a substance that will  
>vaporize during the bright and fiery descent.  
>  
>Visit [spaceweather.com](http://spaceweather.com) for more information about Starshine 3 as well as  
>links to the latest re-entry predictions (they will improve between now  
>and Tuesday) and photo tips, too!  
>  
>---

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail

Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

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Date: Sun, 19 Jan 2003 16:20:11 -0700  
From: "Robert Armstrong" <barmstrong@manti.com>  
To: <qrp-l@lehigh.edu>  
Subject: [144915] WTB: Knwd hand mike  
Message-ID: <000a01c2c011\$5415ff60\$9a00a8c0@ARMSTRONG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Y'all:

I configured my K2 for a small Kenwood hand mike - such as that used with a  
TS140 etc. then sold my Kenwood rig with the mike.

Does anyone have one they would sell me? I don't care if it's ugly ... just  
has to work.

Bob N7XJ  
Manti, Utah

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End of QRP-L Digest 2805  
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